

1.) Mrs. Fagan Selects 2 Students From a class of 20 without replacement. Are these events independent?

use #1

2.) If there are 8 girls in the class, what is the probability that Mrs. Fagan chooses two boys?

3.) Alex asks 6 girls to Prom. He expects that at least one will say yes. Describe the complement.

4.) Using your marble tree

A.) On your first pick, what is $P(R \text{ or } B)$

B.) Find $P(BRR)$

C.) Find $P(G/BR)$

5.) There are 500 HD Balloons manufactured. 40 of the balloons are defective. If 3 are Selected and they are all "good" the entire batch of balloons will be accepted.

A.) What is the probability of accepting the batch?

B.) What is the probability that at least one is defective?